

TABLE 4.17.2-3

WATER QUALITY STANDARDS FOR FRESHWATER AND SALTWATER CLASSIFICATIONS IN THE STATE OF SOUTH CAROLINA
Daniel Island Marine Cargo Terminal
Environmental Impact Statement

Item	Water Quality Standard			
	Freshwater	Saltwaters		
	Class FW	Class SA	Class SB	Class SFH
Garbage, cinders, ashes, sludge of other Refuse	None Allowed	None Allowed	None Allowed	None Allowed
Treated wastes, toxic wastes, deleterious substances, colored or other wastes or constituents thereof	None alone or in combination with other substances or wastes in sufficient amounts to make the waters unsafe or unsuitable for primary contact recreation or to impair the waters for any other best usage as determined for the specific waters which are assigned to this class.	None alone or in combination with other substances or wastes in sufficient amounts to make the waters unsafe or unsuitable for primary contact recreation or to impair the waters for any other best usage as determined for the specific waters which are assigned to this class.	None alone or in combination with other substances or wastes in sufficient amounts to be harmful to the survival of marine fauna and flora or the culture or propagation thereof; to adversely affect the taste, color odor or sanitary condition of fish for human consumption; to make the waters unsafe or unsuitable for secondary contact recreation; or to impair the waters for any other best usage as determined for the specific waters which are assigned to this class.	None alone or in combination with other substances or wastes in sufficient amounts to adversely affect the taste, color, odor, or sanitary condition of clams, mussels, or oysters for human consumption; or impair the waters for any other best usage as determined for the specific waters which are assigned to this class.
Toxic Pollutants listed in 307 of the Clean Water Act	As prescribed in E(7) and E(8) of the State of South Carolina's Water Classification and Standards (Regulation 61-68)	As prescribed in E(7) and E(8) of the State of South Carolina's Water Classification and Standards (Regulation 61-68)	As prescribed in E(7) and E(8) of the State of South Carolina's Water Classification and Standards (Regulation 61-68)	As prescribed in E(7) and E(8) of the State of South Carolina's Water Classification and Standards (Regulation 61-68)
Dissolved Oxygen	Daily average not less than 5 mg/l with a low of 4 mg/l.	Daily average not less than 5 mg/l with a low of 4 mg/l.	Not less than 4 mg/l.	Daily average not less than 5 mg/l with a low of 4 mg/l.

TABLE 4.17.2-3 (Continued)

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Item	Water Quality Standard			
	Freshwater	Saltwaters		
	Class FW	Class SA	Class SB	Class SFH
Fecal Coliform	Not to exceed a geometric mean of 200/100 ml, based on five consecutive samples during any 30 day period; nor shall more than 10 % of the total samples during any 30 day period exceed 400/100 ml.	Not to exceed a geometric mean of 200/100 ml, based on five consecutive samples during any 30 day period; nor shall more than 10 % of the total samples during any 30 day period exceed 400/100 ml.	Not to exceed a geometric mean of 200/100 ml, based on five consecutive samples during any 30 day period; nor shall more than 10 % of the total samples during any 30 day period exceed 400/100 ml.	Not to exceed an MPN fecal coliform median of 14/100 ml nor shall more than 10 % of the samples exceed an MPN of 43/100 ml, where all tests are made using the five dilution method.
pH	Between 6.0 and 8.5	Shall not vary more than one-half of a pH unit above or below that of effluent-free waters in the same geological area having a similar total salinity, alkalinity and temperature, but not lower than 6.5 or above 8.5	Shall not vary more than one-half of a pH unit above or below that of effluent-free waters in the same geological area having a similar total salinity, alkalinity and temperature, but not lower than 6.5 or above 8.5	Shall not vary more than 3/10 of a pH unit above or below that of effluent-free waters in the same geological area having a similar total salinity, alkalinity and temperature, but not lower than 6.5 or above 8.5
Temperature ⁽¹⁾	Free flowing waters: shall not increase more than 5°F above natural temperatures or exceed a maximum of 90°F as a result of the discharge of heated liquids.	Weekly average temperatures shall not exceed 4°F above natural temperatures during fall, winter and spring, or 1.5°F above natural temperatures during the summer as a result of the discharge of heated liquids.	Weekly average temperatures shall not exceed 4°F above natural temperatures during fall, winter and spring, or 1.5°F above natural temperatures during the summer as a result of the discharge of heated liquids.	Weekly average temperatures shall not exceed 4°F above natural temperatures during fall, winter and spring, or 1.5°F above natural temperatures during the summer as a result of the discharge of heated liquids.

Notes: (1) Different temperature standards may be applicable to specific sites or mixing zones. Establishment of such standards shall be subject to public participation and administrative procedures for adopting regulations.

Source: Water Classifications and Standards (Regulations 61-68) and Classified Waters (Regulation 61-69), SCDHEC, May 28, 1993.